

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

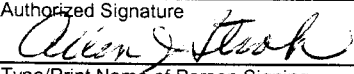
- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name County of Monterey		County Monterey	
Authorized Signature 		Title Director of Environmental Health	
Type/Print Name of Person Signing Allen J. Stroh, REHS, MPA	Date 12/11/2003	Phone () Include Area Code (831) 755 - 4505	
Person Completing This Form (please print or type) Jessica Diridoni		Title Recycling & Resource Recovery Specialist	
Affiliation: Monterey County Environmental Health Department			
Mailing Address 1270 Natividad Road		City Salinas	State California
			ZIP Code 93906
E-Mail Address diridoni@co.monterey.ca.us			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2001

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The 1990 base year numbers submitted were significantly underreported. In 1990, only three of the five landfills in Monterey County used scales, resulting in inaccurate tonnage estimation of waste generated. Landfill operators determined weights using a volume based estimate. Furthermore, seven hauling companies were operating in the unincorporated area, using different vehicle models with varying compaction rates. Scales were installed from 1991-1994. Since the County is held accountable to specific weight standards by the CIWMB, the County desires to submit a new base year in which waste generated is measured using that same standard weight measurement and not an estimate.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. 38 %	Diversion rate calculated using new generation-based study	b. 58 %
For existing base year pounds/person/day based on generation	8.19	For new generation based study pounds/person/day based on generation	14.64
Residential generation 30 %	Non-Residential generation 70 %	Residential generation 30% %	Non-Residential generation 70% %
Population existing generation-based study	100,479	Population new generation-based study	101,716

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The new diversion rate accurately represents diversion and is consistent with current diversion implementation. Accurate weight records are on file. With scales in use at all landfills, the County is now able to use a standard weight measurement system rather than an estimate based on a non-standardized conversion. All Monterey County SRRE programs have been implemented and are ongoing. Four MRF's are operational, and are used by all jurisdictions in Monterey County to reach recycling goals. New businesses and programs established after 1990 that generate significant diversion tonnage were included in the new base year. The increase in the pounds/person/day of waste generated can be attributed to the inaccuracy of the 1990 base year generation numbers. The pounds/person/day was artificially low due to the volume based estimates of waste generation.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

There was a significant 20 percentage point increase in diversion, which can be attributed to accurate measurement of waste generated and several additional factors, including: (1) A curbside collection program for source separated recyclables and greenwaste was started in 1996 in the western portion of Monterey County. (2) Four Materials Recovery Facilities were built after 1990, providing the necessary infrastructure to process recyclables. Three of the MRF's accept source separated recyclables collected through curbside and other programs, or self-hauled. The fourth MRF sorts and processes self haul and commercial waste materials (construction and demolition and green waste). (3) A construction and demolition material recycling program, composting, and a material exchange/reuse center were also established after 1990. (4) Three new county recycling positions were created in 2001 to increase technical support to businesses, provide waste assessments/container distribution, and public education efforts. (5) New agricultural businesses that were established in the unincorporated area after 1990.

New Base Year

County of Monterey

7. Disposal Tonnage (enter values):	34177	79746	113923
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note:** The Board expects the jurisdictions to be able to provide all back-up documentation, if requested. Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
	(A)	(A/Total Generation)			
Residential Source Reduction					
Activities					
Backyard composting					
Grasscycling		0.0%			
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	0	0.0%			
Residential Recycling Activities					
Curbside Recycling					
	4294	1.6%	Aluminum, Glass, PETE, HDPE, Cardboard, Mixed Paper, Newspaper; Commercial data Included	Actual Weight converted to tons and some Commercial data included; ID# 1 , ID# 2	Weight Records; On file with the County of Monterey
Buyback Centers	1422	0.5%	Aluminum, Glass, PETE, HDPE	Actual weight converted to tons; ID# 3	Weight Records; On file with the County of Monterey
Drop-off Centers	111	0.0%	Aluminum, Glass, PETE, HDPE	Actual Weight. ID# 4	Weight Records; On file with the County of Monterey

New Base Year

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Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmnb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	5827	2.2%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste	6292	2.3%	Yard / green waste	Actual Weight converted to tons; ID# 1 and ID# 2	Weight Records; On file with the County of Monterey
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	6292	2.3%			
Subtotal, Residential Diversion	12118	4.5%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	120	0.0%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Enter Program name					
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	120	0.0%			

New Base Year

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Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*	65818	24.5%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Other Recycling	499	0.2%	Field Plastic, Cardboard, Plastic, Paper	Actual Weight; ID# 11	Weight Records; On file with the County of Monterey
Commercial Collection	172	0.1%	Commercial OCC	Actual Weight; ID# 2	Weight Records; On file with the County of Monterey
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	66489	24.8%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	8000	3.0%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Other Composting	15893	5.9%	Yard / Green Waste	Actual Weight; ID# 4 (ID# 4 contains tonnage from ID# 2)	Weight Records; On file with the County of Monterey
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	23893	8.9%			
Subtotal Non-Residential Diversion	90502	33.7%			
Residential/Non-Residential Diversion Activities					
ADC	1096	0.4%	Green waste, Wood waste	Actual Weight; ID# 11	Weight Records; On file with the County of Monterey
Sludge	21761	8.1%	Sludge	Actual Weight; ID# 4	Weight Records; On file with the County of Monterey
Scrap Metal	16	0.0%	Scrap Metal	Actual Weight; ID# 11	Weight Records; On file with the County of Monterey
Construction and Demolition	6851	2.6%	Asphalt, Concrete, Inerts	Actual Weight; ID# 4 ID# 11	Weight Records; On file with the County of Monterey
Landfill Salvage	22338	8.3%	Aluminum, Glass, Plastic, Cardboard, Mixed Paper	Actual Weight; ID# 4,	Weight Records; On file with the County of Monterey
Subtotal Residential/Non-Residential Diversion	52063	19.4%			
Total Res/Non-Res Source Reduction Tons	120	0.0%			
Total Diversion Tons	154683	57.6%			
Total Disposal Tons from Sec.7	113923	42.4%			
Total Generation Tons (Div+Dis)	268606				
Diversion Rate					
	58%				

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9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Agricultural Production	ID#6	Material Type(s): Vegetable Waste Activity: Vegetable Waste hauled off by another Business and diverted by feeding to Livestock.		50779		50778.829	18.9%	Phone Electronic Mail
Composter	ID#12	Material Type(s): Culls, Yard/Green Waste Activity: Materials accepted by Composter and converted into Compost.			5500	5500	2.0%	Phone Electronic Mail On-site
Vintner	ID#8	Material Type(s): Grape Pumice Activity: Material hauled off by another Business and used as fertilizer.		5147		5146.5	1.9%	Phone Electronic Mail On-site
Agricultural Production	ID#7	Material Type(s): Vegetable Waste Activity: Vegetable Waste hauled off by another Business and diverted by feeding to Livestock.		4920		4919.72	1.8%	Phone Electronic Mail On-site
Vintner	ID#9	Material Type(s): Grape Pumice Activity: Material hauled off by another Business and used as fertilizer.		4907		4907	1.8%	Phone Electronic Mail On-site
resort	ID#10 <i>Mike Siano not done County</i>	Material Type(s): Cardboard, Yard/Green Waste Activities: Cardboard is hauled off by an employee and taken to a Recycling Center. Yard/Green Waste is converted into Compost on site.		66	2500	2566.28	1.0%	Phone Electronic Mail On-site

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food exchange	ID#5	Material Type(s): Bread, Produce, Dairy, Beverages, Meals Activity: Materials accepted from Businesses then diverted to Organizations who feed people in need.						Phone Electronic Mail
			120			120	0.0%	
Totals			120	65818.329	8000	73938.329	27.5%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

1. Generator ID # 6 Vegetable waste recycling: Tonnage quantified by the difference in tons received vs. tons shipped out as product.
Verified by Facility Manager and Hauler of vegetable waste.
2. Generator ID # 7 Vegetable waste recycling: Tonnage quantified by #of tons per load, # of loads per day, #of days per week, #of weeks per year.
Verified by Facility Manager and Hauler of vegetable waste.
3. Generator ID # 12 Composting of green waste and culls: Tonnage quantified based on yield of compost generated in that year;
Verified by letter from Owner of the facility.
4. Generator ID # 8 Grape pumice recycling: Tonnage quantified by number of loads removed from facility in 2001.
Verified by letter from General Manager of the facility.
5. Generator ID # 9 Grape pumice recycling: Tonnage quantified based on yield of juice and wine;
Verified by letter from facility stating tonnage removed in 2001.
6. Generator ID #10 Cardboard recycling: quantified by monthly tonnage report prepared by business.
Composting operations: Verified by letter from Facilities Director stating yearly tonnage for 2001.
7. Generator ID #5 Various food products donated to facility to be diverted to other organizations who feed people in need:
quantified by actual weight records. Weight was converted from pounds into tons.

Business Audit Diversion for the Unincorporated Area of Monterey County							
Business Survey/Audit Identification Number	Business Type (Example - grocery store, retail, manufacturer) 1/	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
5	Food Industry	Food donation	Based on actual weights - receipt report	53.25	0	0	53.25
5	Food Industry	Food donation	Based on actual weights - receipt report	38.65	0	0	38.65
5	Food Industry	Food donation	Based on actual weights - receipt report	5.47	0	0	5.47
5	Food Industry	Food donation	Based on actual weights - receipt report	12.42	0	0	12.42
5	Food Industry	Food donation	Based on actual weights - receipt report	0.90	0	0	0.90
5	Food Industry	Food donation	Based on actual weights - receipt report	1.45	0	0	1.45
5	Food Industry	Food donation	Based on actual weights - receipt report	1.79	0	0	1.79
5	Food Industry	Food donation	Based on actual weights - receipt report	5.91	0	0	5.91
Subtotal -				119.84	0	0	119.84
6	Agricultural Industry	Food recycling		0	50778.829	0.00	50778.83
Subtotal -				0	50778.829	0.00	50778.83
7	Agricultural Industry	Food recycling	156 loads with average weight of 12,140 lbs and 520 loads with average weight of 15,280 pounds	0	4919.72	0	4919.72
Subtotal -				0	4919.72	0	4919.72
8	Vintner	Organic waste composting	219 loads at 23.5 tons a load	0	5146.5	0	5146.5
Subtotal -				0	5146.5	0	5146.5
9	Vintner	Organic waste composting	Generator estimate based on yield	0	4907	0	4907
Subtotal -				0	4907	0	4907
10	Hospitality Industry	Cardboard	Based on actual weights - facility report	0	66.28	0	66.28
10	Hospitality Industry	Yard/Green waste composting	Facility estimate	0		2500	2500
Subtotal -				0	66.28	2500	2566.28
12	Composter	Yard/Green waste composting	Facility estimate	0	0	1500	1500
12	Composter	Vegetable culls composting	Facility estimate	0	0	4000	4000
Subtotal -				0	0	5500	5500
Grand Total				119.84	65,818.33	8,000.00	73,938.17

Note: The County of Monterey submitted these data in a different format, specifically by program type. Board staff have prepared the submitted data by business for the purposes of this agenda item